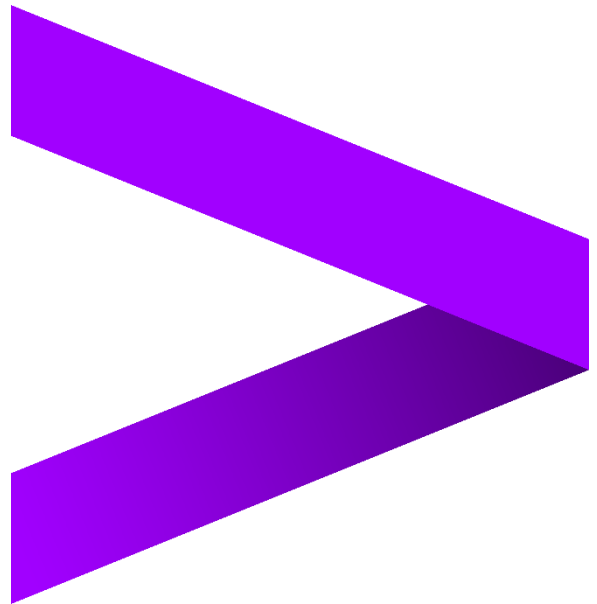


Mastering Ansible

CI/CD with Jenkins and Ansible



Version	Revision Date	Description	Author(s)	Reviewed by	Approved by
V1.0	14-09-2020	Initial Version	Ranjith Kumar Thirumalai Ramesh	Rathnajyothi Perumalsamy Vishnu Kallimakula	CPCL Sreenivasa Rao

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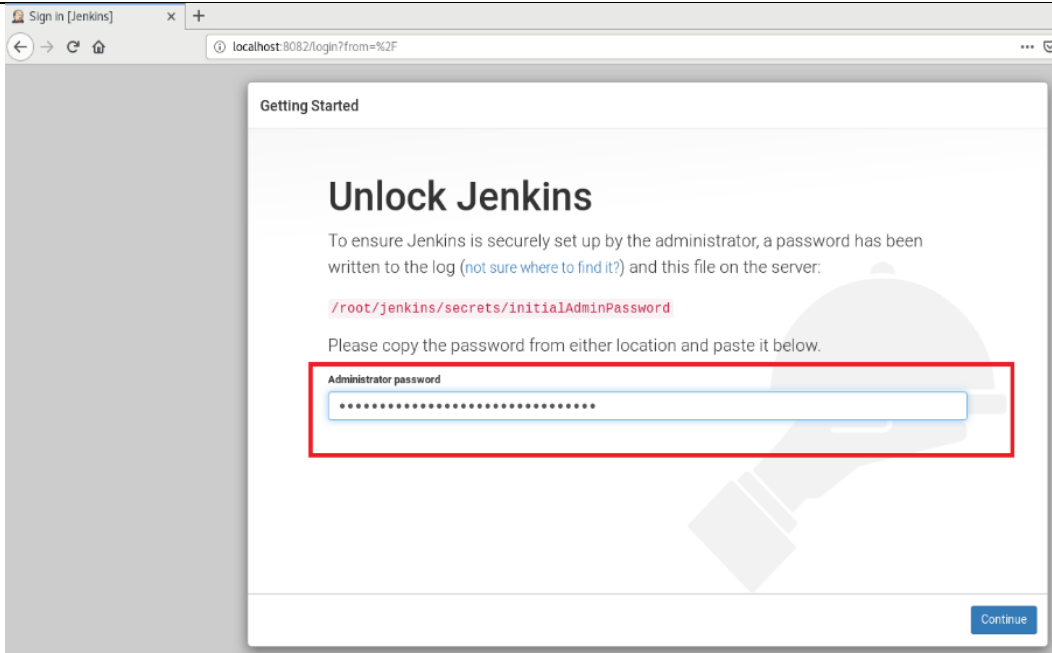
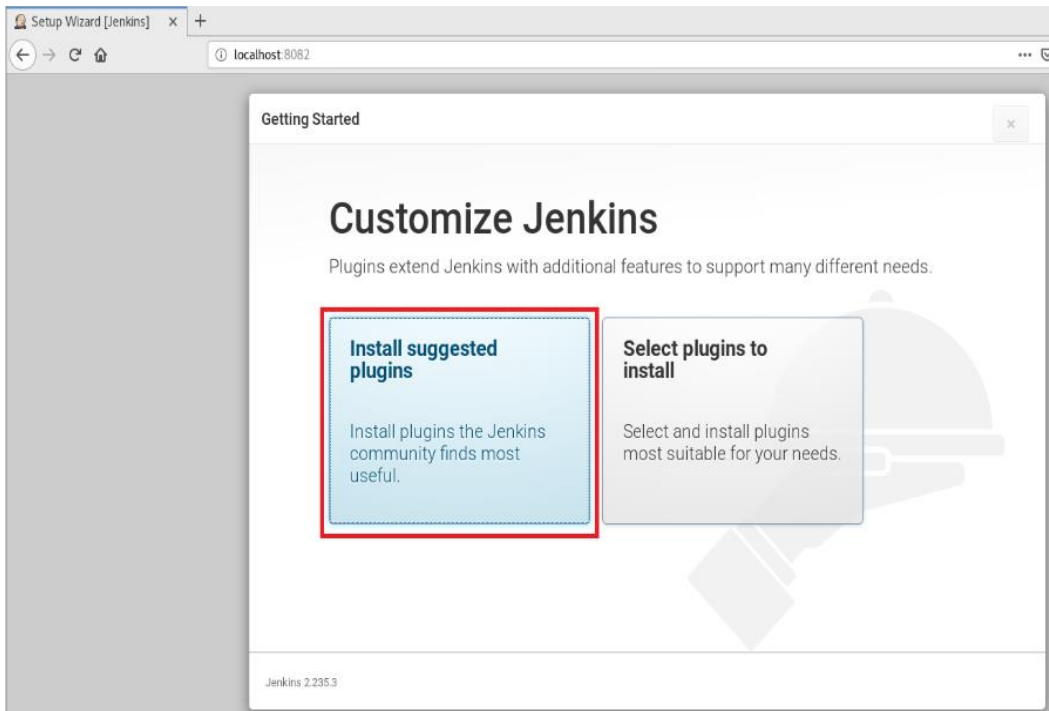
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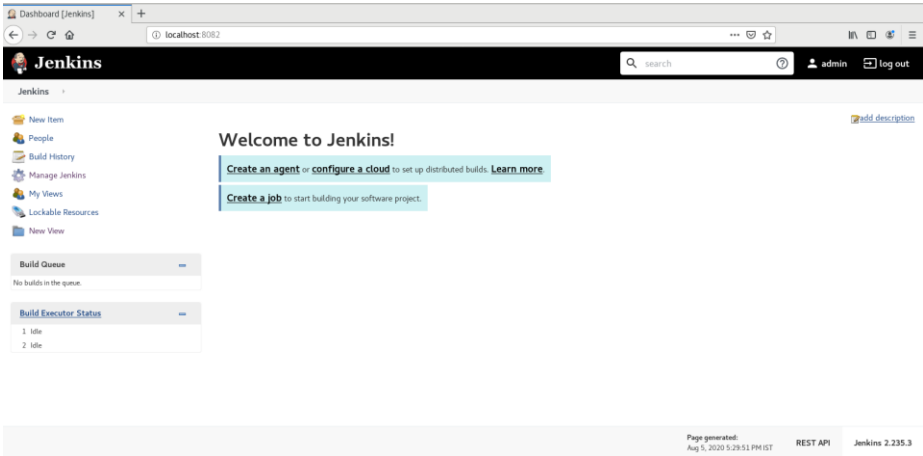
Exercise: Jenkins Installation

Prerequisite: Knowledge on Jenkins

Scenario: In this activity, we will install Jenkins .

Step 1	<pre>Check JAVA Version (It should be 11 or 17) ===== java version If it is less than 11, please install the latest version ===== sudo yum install java-11-openjdk-devel sudo yum install java-11-openjdk sudo alternatives --config java Demo Output: ===== [root@CentOS-7 ~]# sudo alternatives --config java There are 3 programs which provide 'java'. Selection Command ----- 1 java-1.7.0-openjdk.x86_64 (/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.221- 2.6.18.1.el7.x86_64/jre/bin/java) *+ 2 java-1.8.0-openjdk.x86_64 (/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.222.b03- 1.el7.x86_64/jre/bin/java) 3 java-11-openjdk.x86_64 (/usr/lib/jvm/java-11-openjdk-11.0.7.10- 4.el7_8.x86_64/bin/java) Enter to keep the current selection[+], or type selection number: 3 Now check JAVA version, It should point to jdk 11 ===== Install Jenkins ===== sudo wget -O /etc/yum.repos.d/jenkins.repo https://pkg.jenkins.io/redhat- stable/jenkins.repo sudo rpm --import https://pkg.jenkins.io/redhat-stable/jenkins.io-2023.key yum install fontconfig java-11-openjdk sudo yum install jenkins sudo systemctl enable jenkins sudo systemctl start jenkins sudo systemctl status jenkins</pre>
Step 6	<p>Launch Jenkins using URL http://localhost:8080/. Since this is the first time, give the initial password which mentioned in the above image. Click on Continue button.</p>

	
Step 7	<p>Click on Install suggested plugins as highlighted in the below image.</p> 
Step 8	<p>After installing the suggested plugins, you may give your username, password details as shown in the below image. Click on Save and Continue and in the next page Save and Finish. In the next page click on Start using Jenkins –</p>

	<div><div>Getting Started</div><div><h2>Create First Admin User</h2><div><div>Username:</div><div>admin</div></div><div><div>Password:</div><div>•••••</div></div><div><div>Confirm password:</div><div>•••••</div></div><div><div>Full name:</div><div>admin</div></div><div><div>E-mail address:</div><div>admin@abc.com</div></div></div><div><div>Jenkins 2.235.3</div><div>Skip and continue as admin</div><div>Save and Continue</div></div></div>
Step 9	<div><div>You can see the jenkins installed in the below image.</div><div>A screenshot of the Jenkins web interface in a browser. The browser's address bar shows 'localhost:8082'. The Jenkins logo is in the top left, and a search bar and 'admin' user name are in the top right. The main content area has a 'Welcome to Jenkins!' heading with two links: 'Create an agent or configure a cloud' and 'Create a job'. On the left, there is a sidebar with links like 'New Item', 'People', 'Build History', etc. At the bottom, there are sections for 'Build Queue' (showing 'No builds in the queue') and 'Build Executor Status' (showing '1 idle' and '2 idle'). The footer indicates 'Page generated: Aug 5, 2020 5:29:51 PM IST' and 'Jenkins 2.235.3'.</div></div>